

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: WILLIAMS, TIMOTHY J.
JOSE, PETER J.
GRIFFITHS-JOHNSON, DAVID A.
HSUAN, JOHN J.

(ii) TITLE OF INVENTION: CHEMOTACTIC CYTOKINE

(iii) NUMBER OF SEQUENCES: 11

(iv) CORRESPONDENCE ADDRESS:

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(E) COUNTRY: U.S.A.
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(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/615,232
(B) FILING DATE: 13-AUG-1996
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: GB 9318984
(B) FILING DATE: 14-SEP-1993

(A) APPLICATION NUMBER: GB 9408602
(B) FILING DATE: 29-APR-1994

(viii) ATTORNEY/AGENT INFORMATION:

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(B) REGISTRATION NUMBER: 32,955
(C) REFERENCE/DOCKET NUMBER: 550-32

(ix) TELECOMMUNICATION INFORMATION:

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(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 73 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

- (A) ORGANISM: *Cavia porcellus*
- (D) DEVELOPMENTAL STAGE: Adult
- (F) TISSUE TYPE: Bronchoalveolar lavage fluid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

His	Pro	Gly	Ile	Pro	Ser	Ala	Cys	Cys	Phe	Arg	Val	Thr	Asn	Lys	Lys
1				5					10					15	
Ile	Ser	Phe	Gln	Arg	Leu	Lys	Ser	Tyr	Lys	Ile	Ile	Thr	Ser	Ser	Lys
			20					25					30		
Cys	Pro	Gln	Thr	Ala	Ile	Val	Phe	Glu	Ile	Lys	Pro	Asp	Lys	Met	Ile
		35					40					45			
Cys	Ala	Asp	Pro	Lys	Xaa	Xaa	Trp	Val	Gln	Asp	Ala	Lys	Lys	Tyr	Leu
	50				55						60				
Asp	Gln	Ile	Ser	Gln	Xaa	Thr	Lys	Pro							
65					70										

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 73 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

- (A) ORGANISM: *Cavia cobaya*
- (F) TISSUE TYPE: Bronchial lavage fluid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

His	Pro	Gly	Ile	Pro	Ser	Ala	Cys	Cys	Phe	Arg	Val	Thr	Asn	Lys	Lys
1				5					10					15	
Ile	Ser	Phe	Gln	Arg	Leu	Lys	Ser	Tyr	Lys	Ile	Ile	Thr	Ser	Ser	Lys
			20					25					30		
Cys	Pro	Gln	Thr	Ala	Ile	Val	Phe	Glu	Ile	Lys	Pro	Asp	Lys	Met	Ile
		35					40					45			
Cys	Ala	Asp	Pro	Lys	Lys	Lys	Trp	Val	Gln	Asp	Ala	Lys	Lys	Tyr	Leu
	50				55						60				
Asp	Gln	Ile	Ser	Gln	Thr	Thr	Lys	Pro							
65					70										

! INFORMATION FOR SEQ ID NO: 3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 24 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (primer)

(iii) HYPOTHETICAL: YES

(iii) ANTI-SENSE: NO

(ix) FEATURE:

- (A) NAME/KEY: modified_base: N is inosine
- (B) LOCATION: 12

(ix) FEATURE:

- (A) NAME/KEY: modified_base: N is inosine
- (B) LOCATION: 15

(ix) FEATURE:

- (A) NAME/KEY: modified_base: N is inosine
- (B) LOCATION: 18

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

TGCTGTTTCC GNGTNACNAA CAAA

24

INFORMATION FOR SEQ ID NO: 4:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (primer)

(iii) HYPOTHETICAL: YES

(iii) ANTI-SENSE: YES

(ix) FEATURE:

- (A) NAME/KEY: modified_base: N is inosine
- (B) LOCATION: 10

(ix) FEATURE:

- (A) NAME/KEY: modified_base: N is inosine
- (B) LOCATION: 16

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

CATCTTGTCN GGCTTNATTT C

21

INFORMATION FOR SEQ ID NO:5:

(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Lys	Ser	Thr	Thr	Cys	Cys	Tyr	Arg	Phe	Ile	Asn	Lys	Lys	Ile	Pro	Lys	
1				5					10					15		
Gln	Arg	Leu	Glu	Ser	Tyr	Arg	Arg	Thr	Thr	Ser	Ser	His	Cys	Pro	Arg	
			20					25					30			
Glu	Ala	Val	Ile	Phe	Lys	Asp	Lys	Leu	Asp	Lys	Glu	Ile	Cys	Ala	Asp	
		35					40					45				
Pro	Thr	Gln	Lys	Trp	Val	Gln	Asp	Phe	Met	Lys	His	Leu	Asp	Lys	Lys	
	50					55					60					
Thr	Gln	Thr	Pro	Lys	Leu											
65					70											

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 71 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Gly	Val	Asn	Thr	Pro	Thr	Cys	Cys	Tyr	Thr	Phe	Asn	Lys	Gln	Ile	Pro	
1				5					10					15		
Leu	Lys	Arg	Val	Lys	Gly	Tyr	Glu	Arg	Ile	Thr	Ser	Ser	Arg	Cys	Pro	
			20					25					30			
Gln	Glu	Ala	Val	Ile	Phe	Arg	Thr	Leu	Lys	Asn	Lys	Glu	Val	Cys	Ala	
		35					40					45				
Asp	Pro	Thr	Gln	Lys	Trp	Val	Gln	Asp	Tyr	Ile	Ala	Lys	Leu	Asp	Gln	
	50					55					60					
Arg	Thr	Gln	Gln	Lys	Gln	Asn										
65					70											

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 69 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Ser	Leu	Ala	Ala	Asp	Thr	Pro	Thr	Ala	Cys	Cys	Phe	Ser	Tyr	Thr	Ser
1				5					10					15	
Arg	Gln	Ile	Pro	Gln	Asn	Phe	Ile	Ala	Asp	Tyr	Phe	Glu	Thr	Ser	Ser
			20					25					30		
Gln	Cys	Ser	Lys	Pro	Gly	Val	Ile	Phe	Leu	Thr	Lys	Arg	Ser	Arg	Gln
		35					40					45			
Val	Cys	Ala	Asp	Pro	Ser	Glu	Glu	Trp	Val	Gln	Lys	Tyr	Val	Ser	Asp
	50					55					60				
Leu	Glu	Leu	Ser	Ala											
65															

(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 68 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

Pro	Met	Gly	Ser	Asp	Pro	Pro	Thr	Ala	Cys	Cys	Phe	Ser	Tyr	Thr	Ala
1				5					10					15	
Arg	Lys	Leu	Pro	Arg	Asn	Phe	Val	Val	Asp	Tyr	Tyr	Glu	Thr	Ser	Ser
			20					25					30		
Leu	Cys	Ser	Gln	Pro	Ala	Val	Val	Phe	Gln	Thr	Lys	Arg	Ser	Lys	Gln
		35					40					45			
Val	Cys	Ala	Asp	Pro	Ser	Glu	Ser	Trp	Val	Gln	Glu	Tyr	Val	Tyr	Asp
	50					55					60				
Leu	Glu	Leu	Asn												
65															

(2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 68 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

Ser Pro Tyr Ser Ser Asp Thr Thr Pro Cys Cys Phe Ala Tyr Ile Ala
1 5 10 15

Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr Phe Tyr Thr Ser Gly
20 25 30

Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr Arg Lys Asn Arg Gln
35 40 45

Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg Glu Tyr Ile Asn Ser
50 55 60

Leu Glu Met Ser
65